Designing your own experiment lab report – Due on or before June 3, 2014

Please refer to pages R28-R35 in your book.

Here is a detailed description of the project. Please read both sides and use this as guidelines for your report and presentation.

**Title and Cover page with name, date and block (Report is typed):** (5pts)

**Purpose/question/hypothesis (5 points)**

**Purpose/question:** State the purpose of your investigation and the question that you are trying to answer. See page R30.

**Hypothesis:** If \_\_\_\_\_\_\_\_, then \_\_\_\_\_\_\_\_\_will happen. See page R31.

**Materials:** (5 points) List all materials needed and used. This should be in list form. See page R 31

**Procedure:** (5 points) **Write down exactly what to do**. Make a list and number the steps. Write down any safety precautions. Refer to page R32.

**Data and Observations:** (40 points) **(2-5 paragraphs with tables and graphs)** This section should include neatly drawn tables or graphs to present summary of data observations collected (use computer or draw using a straight edge). Write down what you saw, heard, felt, and/or smelled as it applies to you investigation. Refer to pages R33 and R34.

**Conclusion:** (10 points) **(2-5 paragraphs)** Did the experiment answer your question? What did you find out? Refer to page R35.

**Questions and further investigations:** (10 points) **(2 paragraphs)** What questions do you have about your experiment? What new questions do you have? What would you do differently? Why? Refer to page R35.

**References:** (5 points) **List at least three –** Google, Yahoo, Ask.com, and ask Jeeves are **not** references they are search engines. YouTube may not be reliable but may be used for ideas for experiments. Be specific about where you found your information. Write dates down for any websites visited. Do not rely solely on wiki. You may use professionals if you write down quotes, names and dates.

**Appendix:** (10 points) Add all **research, data collected during the experiment** exactly as you collected it, and relevant information. This is everything that you did during the investigation that involves the investigation. It does not have to be neat. You may also use your ipad or tablet or phone, please print out any pictures or data that you take and note the date and time.

**Presentation:** (10 points) 5 -10 minutes highlighting your question and what you learned during your investigation. This should be informative and engaging, please do not read your lab report to us.

**Something extra:** (10 points) – a visual, prop, poster, video or model that adds to your presentation and makes it exciting, interesting and/or easier for the class to understand.

The report should be **typed** (except for the appendix) and stapled or bound together. You will get points for visuals during your presentation.